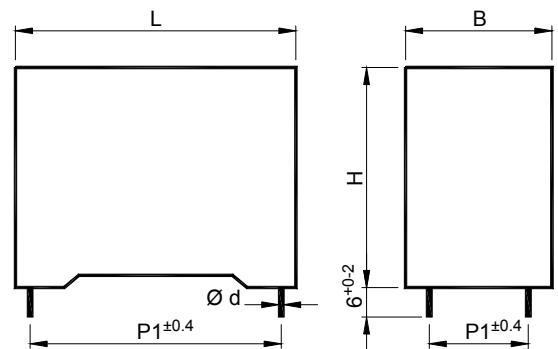


General characteristics

- Self-Healing
- High Capacitance Density
- Low losses
- High ripple current
- High contact reliability
- Suitable for high frequency applications



TECHNICAL DATA

General technical data	VDE 0560-12 – IEC 1071 – EN 61071
Application class (DIN 40040)	GPD / LS
Temperature range (Case)	-40 to + 85 °C
Max ambient temperature	+70 °C
Capacitance tolerance code (15 th digit)	J = ± 5 % ; K = ± 10%
Max repetitive peak Voltage	1.15 x Vn (max 30 min. within one day)
Max non-repeattive max Peak current	I _{PKR} x 1.5
Test voltage terminal to terminal U _{TT}	1,5 Un for 10 seconds at 25°C
Test voltage terminal to case U _{TC}	2kV - 50Hz for 10 seconds
Dissipation factor (tgδ)	≤ 5 x 10 ⁻⁴ at 1 kHz and 20 °C
Permissible relative humidity	Annual average ≤ 70% on 30 days / year randomly distributed throughout the year 85%; dewing not admissible.
IEC climatic category	40 / 85 / 56 according to IEC 68-1
Capacitance deviation in the operating temperature range of -40 to +85 °C	±2% max on capacitance value measured at +25 °C
Change of capacitance versus operating time	-5% after 100.000 hours at Un
Case components	Solvent resistant plastic case with epoxy and polyurethanic resin sealing. Flame retardant execution (UL class 94 V0).
Terminals	Tinned copper 2+2 wires (See figure on top)
Installation	Whatever Position
Life Expectancy	≥ 100.000 hours at Un
Failure quota	300 / 10 ⁹ components hour

PEAK VOLTAGE TABLE

Un	450 V	700 V	900 V	1100 V
\hat{U}_{MAX}	660 V	1000 V	1250 V	1500 V

GENERAL CHARACTERISTICS

Code	C μF	Un Vdc	dv/dt V/μs	I _{PKR} A	ESL nH	ESR 70°C @ 10kHz mΩ	I _{RMS} 70°C @ 10kHz A	DIMENSIONS mm				
								B	H	L	p	p1
C4AEGBW5300A3FJ	30	450	21	616	30	10.54	8	20	40	41.5	37.5	10.2
C4AEGBW5350A3JJ	35	450	21	719	30	9.05	9	28	37	42.5	37.5	10.2
C4AEGBW5400A3HJ	40	450	21	822	30	7.97	10	24	44	41.5	37.5	10.2
C4AEGBW5500A3LJ	50	450	21	1027	30	6.42	12	30	45	42	37.5	20.3
C4AEGBW5750A3MJ	75	450	14	1039	35	5.45	14	30	45	57.5	52.5	10.2
C4AEGBW6100A3NJ	100	450	14	1368	35	4.17	17	35	50	57.5	52.5	20.3
C4AEJBW5150A3FJ	15	700	13	196	30	6.33	10	20	40	41.5	37.5	5.1
C4AEJBW5200A3JJ	20	700	13	262	30	4.78	12	28	37	42.5	37.5	10.2
C4AEJBW5220A3HJ	22	700	13	287	30	4.39	13	24	44	41.5	37.5	10.2
C4AEJBW5300A3LJ	30	700	13	390	30	3.28	16	30	45	42	37.5	20.3
C4AEJBW5450A3MJ	45	700	10	450	35	3.55	17	30	45	57.5	52.5	20.3
C4AEJBW5550A3NJ	55	700	10	550	35	3.08	21	35	50	57.5	52.5	20.3
C4AEOBW5120A3FJ	12	900	16	196	30	6.38	10	20	40	41.5	37.5	10.2
C4AEOBW5140A3JJ	14	900	16	224	30	5.49	11	28	37	42.5	37.5	10.2
C4AEOBW5160A3HJ	16	900	16	256	30	4.85	13	24	44	41.5	37.5	10.2
C4AEOBW5200A3LJ	20	900	16	327	30	3.93	15	30	45	42	37.5	20.3
C4AEOBW5300A3MJ	30	900	11	330	35	4.23	16	30	45	57.5	52.5	20.3
C4AEOBW5400A3NJ	40	900	11	441	35	3.25	20	35	50	57.5	52.5	20.3
C4AEQBW4800A3FJ	8	1100	20	157	30	8.00	9	20	40	41.5	37.5	10.2
C4AEQBW5100A3JJ	10	1100	20	196	30	6.43	11	28	37	42.5	37.5	10.2
C4AEQBW5120A3LJ	12	1100	20	235	30	5.42	13	30	45	42	37.5	20.3
C4AEQBW5200A3MJ	20	1100	13	265	35	5.26	14	30	45	57.5	52.5	20.3
C4AEQBW5250A3NJ	25	1100	13	331	35	4.27	17	35	50	57.5	52.5	20.3

SINGLE PACKING UNIT

Box dimensions	N° of pieces	Weight kg	Box dimensions	N° of pieces	Weight kg
20x40x41.5	54	3.0	30x45x42	36	3.4
28x37x42.5	36	2.7	30x45x57.5	27	3.2
24x44x41.5	42	3.2	35x50x57.5	23	3.5